

FILE 'HOME' ENTERED AT 10:47:00 ON 24 MAY 2004

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:47:08 ON 24 MAY 2004

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2021

L1 SCREEN CREATED

=> que AND L1

MISSING TERM BEFORE 'AND'
Search expressions cannot begin with operators.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> que

ENTER LOGIC EXPRESSION OR (END):end

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2021

L2 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\tnfinhib.str

L3 STRUCTURE UPLOADED

=> que L3 AND L2

L4 QUE L3 AND L2

=> s 14
SAMPLE SEARCH INITIATED 10:51:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 58 TO ITERATE

100.0% PROCESSED	58 ITERATIONS	30 ANSWERS
SEARCH TIME: 00.00.01		

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	704 TO	1616
PROJECTED ANSWERS:	272 TO	928

L5 30 SEA SSS SAM L3 AND L2

=> s 14 ful
FULL SEARCH INITIATED 10:51:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1108 TO ITERATE

100.0% PROCESSED	1108 ITERATIONS	513 ANSWERS
SEARCH TIME: 00.00.01		

L6 513 SEA SSS FUL L3 AND L2

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL

FULL ESTIMATED COST

ENTRY
158.36

SESSION
158.57

FILE 'CAPLUS' ENTERED AT 10:51:54 ON 24 MAY 2004

=> file reg
COST IN U.S. DOLLARS

SINCE FILE
ENTRY
0.44

TOTAL
SESSION
159.01

FILE 'REGISTRY' ENTERED AT 10:52:15 ON 24 MAY 2004

=> e tnf

E11E2E3E4E5E6E7E8E9E10E11E12

1136828113101111111

TNEU143J07/BI
TNEU144I06/BI
TNF/BI
TNF.ALPHA./BI
TNF.BETA./BI
TNF2/BI
TNF30/BI
TNF34/BI
TNF35/BI
TNF36/BI
TNF37/BI
TNF38/BI

=> s e4

L728 TNF.ALPHA./BI

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE
ENTRY
4.85

TOTAL
SESSION
163.86

FILE 'CAPLUS' ENTERED AT 10:52:35 ON 24 MAY 2004

=> s 16 and 17

101 L6
48 L7

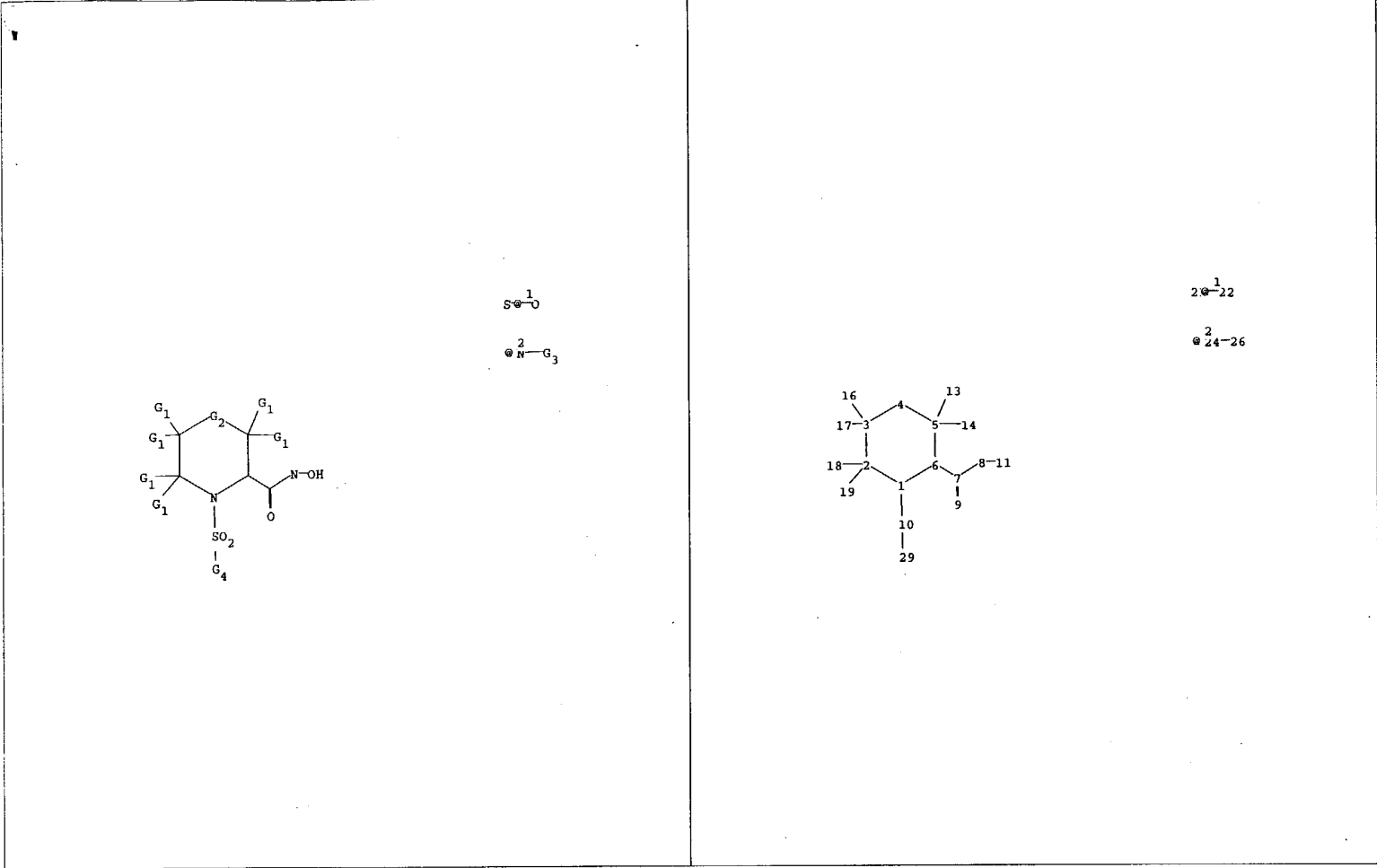
L80 L6 AND L7

=> log y
COST IN U.S. DOLLARS

SINCE FILE
ENTRY
0.44

TOTAL
SESSION
164.30

STN INTERNATIONAL LOGOFF AT 10:53:19 ON 24 MAY 2004



chain nodes :
7 8 9 10 11 13 14 16 17 18 19 21 22 24 26 29
ring nodes :
1 2 3 4 5 6
chain bonds :
1-10 2-18 2-19 3-16 3-17 5-13 5-14 6-7 7-8 7-9 8-11 10-29 21-22 24-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-10 2-3 2-18 2-19 3-4 3-16 3-17 4-5 5-6 5-13 5-14 6-7 7-8 7-9 8-11
10-29 21-22 24-26
isolated ring systems :
containing 1 :

G1:Cb,Cy,Hy,Ak,H,OH,CN,NH2

G2:O,S,SO2,[*1],[*2]

G3:H,Hy,Ak

G4:Cb,Hy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
24:CLASS 26:CLASS 29:CLASS

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:58:53 ON 24 MAY 2004

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:58:58 ON 24 MAY 2004

=> e tnf

E1	1	TNEU143J07/BI
E2	1	TNEU144I06/BI
E3	368 -->	TNF/BI
E4	28	TNFA/BI
E5	1	TNFB/BI
E6	13	TNF2/BI
E7	10	TNF30/BI
E8	1	TNF34/BI
E9	1	TNF35/BI
E10	1	TNF36/BI
E11	1	TNF37/BI
E12	1	TNF38/BI

=> s e4

L1 28 TNFA/BI

=> d 1-28

L1 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 568624-27-1 REGISTRY

CN 1-221-Proteinase, pro-tumor necrosis factor (human fragment) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-221-TNF α convertase PR-3 (human fragment)

CN 24: PN: US6599706 SEQID: 23 claimed protein

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 568624-10-2 REGISTRY

CN Proteinase, pro-tumor necrosis factor (human) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 23: PN: US6599706 SEQID: 23 claimed protein

CN TNF α convertase PR-3 (human)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP

(Properties)

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 568624-08-8 REGISTRY

CN DNA (human pro-tumor necrosis factor proteinase cDNA) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 22: PN: US6599706 SEQID: 22 claimed DNA

CN **DNA (human TNF α convertase PR-3 cDNA)**

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PRP (Properties)

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 524974-99-0 REGISTRY

CN **Protein RANKL (human TNF α -homolog region)** (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 137: PN: WO03039225 SEQID: 84 claimed protein

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 481315-26-8 REGISTRY

CN **Tumor necrosis factor (human clone pTNF186 gene TNF α)** (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3595: PN: WO03091391 FIGURE: 20 unclaimed protein

CN 4806: PN: WO03091391 TABLE: 20 unclaimed protein

CN 675: PN: WO03038130 FIGURE: 3 claimed protein

CN 999: PN: WO03095618 TABLE: 1 claimed protein

CN GenBank AAA61200

CN GenBank AAA61200 (Translated from: GenBank M16441)

CN Protein (human 233-amino acid)

FS PROTEIN SEQUENCE

MF Unspecified

CI .MAN
SR GenBank
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties)

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****
***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****
5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 225887-62-7 REGISTRY
CN DNA (mouse strain C57BL/6J pro-tumor necrosis factor proteinase gene promoter region-containing fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN DNA (mouse strain C57BL/6J TNF α -converting enzyme (TACE) gene promoter region-containing fragment)
CN GenBank AB021294
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, GENBANK
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****
***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 7 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 225773-23-9 REGISTRY
CN DNA (mouse pro-tumor necrosis factor proteinase cDNA plus flanks) (9CI) (CA INDEX NAME)

OTHER NAMES:
CN 1: PN: WO02086140 PAGE: 27 unclaimed DNA
CN DNA (mouse TNF α -converting enzyme (TACE/ADAM17) cDNA plus flanks)
CN GenBank AB021709
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, GENBANK
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties)
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****
***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 8 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 161850-44-8 REGISTRY
CN DNA (plasmid pDS56/RBSII,SphI-TNF α) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Deoxyribonucleic acid (plasmid pDS56/RBSII,SphI-TNF α)
FS NUCLEIC ACID SEQUENCE

MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA Cplus document type: Patent
RL.P Roles from patents: PRP (Properties); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 9 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-07-0 REGISTRY
CN DNA, (human tumor necrosis factor[Trp32Thr86]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Trp32Thr86]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Trp32Thr86) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Cplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 10 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-06-9 REGISTRY
CN DNA, (human tumor necrosis factor[Asn31Thr32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Asn31Thr32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Asn31Thr32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Cplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 11 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-05-8 REGISTRY
CN DNA, (human tumor necrosis factor[Glu31]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Glu31]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Glu31) tumor necrosis factor analog gene)
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAPLUS document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 12 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-04-7 REGISTRY
CN Tumor necrosis factor (human reduced), 31-L-asparagine-32-L-threonine-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Asn-31, Thr-32, Thr-86] Tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Asn31Thr32Thr86))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAPLUS document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 13 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-03-6 REGISTRY
CN Tumor necrosis factor (human reduced), 31-L-glutamic acid-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Glu-31, Thr-86] Tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Glu31Thr86))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAPLUS document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 14 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-02-5 REGISTRY
CN Tumor necrosis factor (human reduced), 29-L-serine-32-L-tryptophan-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Trp-32, Thr-86] Tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Ser29Trp32Thr86))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN

SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 15 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-01-4 REGISTRY
CN Tumor necrosis factor (human reduced), 28-de-L-tryptophan-29-L-serine-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Thr-86] Tumor necrosis factor α (human clone
pDS56/RBSII, SphI-TNF α (Ser29Thr86))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 16 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152925-00-3 REGISTRY
CN Tumor necrosis factor (human reduced), 32-L-tryptophan-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Trp-32, Thr-86] Tumor necrosis factor α (human clone
pDS56/RBSII, SphI-TNF α (Trp32Thr86))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 17 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152924-99-7 REGISTRY
CN Tumor necrosis factor (human reduced), 29-L-serine-32-L-tryptophan- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Trp-32] Tumor necrosis factor α (human clone
pDS56/RBSII, SphI-TNF α (Trp32))
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 18 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-98-6 REGISTRY

CN DNA, (human tumor necrosis factor[Ser29Trp32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Ser29Trp32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Ser29Trp32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 19 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-97-5 REGISTRY

CN DNA, (human tumor necrosis factor[Ser29]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Ser29]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Ser29) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 20 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-96-4 REGISTRY

CN DNA, (human tumor necrosis factor[Trp32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Trp32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Trp32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 21 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-95-3 REGISTRY

CN DNA, (human tumor necrosis factor[Thr86]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Thr86]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α (Thr86) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 22 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-94-2 REGISTRY

CN Tumor necrosis factor (human reduced), 86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Thr-86] Tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Thr86))

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 23 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-93-1 REGISTRY

CN DNA (human clone pDS56/RBSII tumor necrosis factor α gene plus flanks) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid (human clone pDS56/RBSII tumor necrosis factor α gene plus 5'- and 3'-flanking region fragment)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF α tumor necrosis factor gene and flanking sequences)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 24 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-69-2 REGISTRY

CN Tumor necrosis factor (human reduced), 31-L-glutamic acid- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Glu-31] tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Glu31))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 25 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-65-8 REGISTRY

CN Tumor necrosis factor (human reduced), 32-L-tryptophan- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Trp-32] tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Trp32))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 26 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-64-7 REGISTRY

CN Tumor necrosis factor (human reduced), 29-L-serine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Ser-29] tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α (Trp32))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

***** STRUCTURE DIAGRAM IS NOT AVAILABLE *****

***** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE *****

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 27 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 109656-70-4 REGISTRY
CN Tumor necrosis factor (human reduced), 31-L-asparagine-32-L-threonine-
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Asn-31, Thr-32] tumor necrosis factor α (human clone
pDS56/RBSII, SphI-TNF α (Asn31Thr32))

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

RL.NP Roles from non-patents: PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN
RN 94948-61-5 REGISTRY
CN Tumor necrosis factor (human reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 14: PN: US6046048 FIGURE: 1B unclaimed sequence

CN 16: PN: WO9960127 SEQID: 19 unclaimed protein

CN 3: PN: CN1274729 SEQID: 3 unclaimed protein

CN 5: PN: WO0045836 SEQID: 7 unclaimed protein

CN Tumor necrosis factor (human U937 cell clone phTNF3)

CN **Tumor necrosis factor α (human clone pDS56/RBSII, SphI-TNF α)**

CN Tumor necrosis factor α (human)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
(Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PRP (Properties)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

37 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES IN NON-SPECIFIC DERIVATIVES IN FILE CA

37 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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55.46

STN INTERNATIONAL LOGOFF AT 11:00:59 ON 24 MAY 2004